Discrete Mathematics
Volume 223, Numbers 1–3, 28 August 2000

Contents

Contributions

P. Adams, D.E. Bryant and A. Khodkar
On Alspach's conjecture with two even cycle lengths 1

A.S. Asratian
Some results on an edge coloring problem of Folkman and Fulkerson 13

V. Berthé and L. Vuillon
Tilings and rotations on the torus: a two-dimensional generalization of Sturmian sequences 27

Y. Boudabbous, J. Dammak and P. Ille
Indecomposability and duality of tournaments 55

W.A. Carnielli and E.L.M. Carmelo
$K_{2,2}$–$K_{1,n}$ and $K_{2,n}$–$K_{2,n}$ bipartite Ramsey numbers 83

A. Daneshgar and R. Naserasr
On small uniquely vertex-colourable graphs and Xu's conjecture 93

A.B. Evans, G. Isaak and D.A. Narayan
Representations of graphs modulo n 109

T.-Y. Ho, J.-M. Chang and Y.-L. Wang
On the powers of graphs with bounded asteroidal number 125

D.B. Jaffe
Optimal binary linear codes of length $\leqslant 30$ 135

W. Klostermeyer and Ľ. Šoltés
An extremal connectivity parameter of tournaments 157

G. Lassmann and E. Sparla
A classification of centrally-symmetric and cyclic 12-vertex triangulations of $S^2 \times S^2$ 175

H.A. Lewis
Homotopy in Q-polynomial distance-regular graphs 189

R. Li and R.H. Schelp
Some hamiltonian properties of L_1-graphs 207

J. Linhart, Y. Yang and M. Philipp
Arrangements of hemispheres and halfspaces 217

C. McDiarmid
Frequency-distance constraints with large distances 227

P.R.J. Östergård
Classification of binary/ternary one-error-correcting codes 253

E. Prisner
Recognizing random intersection graphs 263

H. Ren and Y. Liu
Bisingular maps on the sphere and the projective plane 275

I. Tomescu
On the number of large h-hypergraphs with a fixed diameter 287

P.-L. Wu
Extremal graphs with prescribed circumference and cocircumference 299

J. Xu and C.K. Wong
Self-complementary graphs and Ramsey numbers Part I: the decomposition and construction of self-complementary graphs 309

S. Zhang, X. Li and H. Broersma
Heavy paths and cycles in weighted graphs 327

Y. Zhang, X. Yong and M.J. Golin
The number of spanning trees in circulant graphs 337

Notes

Y.-G. Chen
On sums and intersects of sequences 351

N. Chevallier
Three distance theorem and grid graph 355

V. Estivill-Castro, M. Noy and J. Urrutia
On the chromatic number of tree graphs 363

S. Galatolo
A proof of the Beyer–Stein–Ulam relation between complexity and entropy 367

M. Harada
On the existence of extremal Type II codes over $\mathbb{Z}_6$ 373

W. Li
Idempotent endomorphisms of a graph 379

T.A. McKee
Induced cycle structure and outerplanarity 387

K. Ushio and Y. Ohtsubo
$\hat{C}_k$-factorization of symmetric complete bipartite and tripartite multi-digraphs 393

Author index to volume 223 399